

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1439

Effective August 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **August 2012**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 1045 Vinyl Horizontal Slider Replacement Windows, Non-impact Resistant, manufactured by

Window Mart, Inc.

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5760 Albert Pike

Royal, Arkansas 71968

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will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 1045 window is a vinyl horizontal slider replacement window. The horizontal slider windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for horizontal slider windows based on the following tested construction:

General Description:

System	Description	Label Rating	Certification Authorization Number (CAR)
1	Series 1045 Horizontal Slider Window; (XX)	HS-R30 72 x 48	588-127

Product Dimensions:

System	Overall Size	Sash Sizes
1	72" x 48"	Two: 35" x 43 $\frac{9}{16}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The sashes contain sealed insulating glass units. The sealed insulating glass units are comprised of two single strength ($\frac{3}{32}$ ") annealed glass lites separated by a U-shaped steel spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set from the exterior against double-sided adhesive foam tape. A rigid vinyl snap-in glazing bead secures the insulating glass unit from the exterior.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and thermally welded construction.

Sash Construction: The sash members are manufactured from extruded vinyl (PVC). The sash corners are mitered and thermally welded construction.

Hardware:

- Cam locks; Two (2) required; Located 10 inches from each jamb on the operable sash top rail.
- Keepers; Two (2) required; Located opposite the cam locks on the fixed meeting rail.
- Brass rollers (2/sash); 1 $\frac{5}{8}$ " from each corner.

Reinforcement: Custom-shaped extruded aluminum reinforcement is located in the both meeting stiles. The reinforcement extends the length of the members.

Product Identification: A certification program label (Keystone Certification Program) will be affixed to the window. The certification program label includes the product name; performance characteristics; and approved inspection agency (Keystone) to indicate compliance with the requirements of AAMA/WDMA/CSA 101/I.S.2/A440-05.

Label Identification:

System	Model	Certification Authorization Report (CAR) number
1	1045 HS XX	588-127

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	72	48	± 30

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris is required.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions. The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the frame side jambs of the window with minimum No. 8 screws. The fasteners shall be located approximately 6 inches from each corner. In addition, the window is secured with wood blind stops (minimum $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ ") along the exterior and the interior head, sill, and side jambs, located at the mid-span of each member. Each wood blind stop is secured to wall framing with two (2) No. 10 screws. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC) and the Texas Revisions.